BRUHATH BANGALORE MAHANAGARA PALIKE
EXECUTIVE ENGINEER, RR NAGAR DIVISION

Name of Works : Providing Gallery to Musical Fountain in JP Park in Ward No 17, J P Park.

DETAILED ESTIMATE

Estimated Cost= 7,00,00,000.00

| No | Description of work | Unit | | Nos | Dimenstions in m L in m | B in m | D in m | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|---|
| | BUILDING WORK | | | | | | | | | |
| 1 | Earth work excavation by manual means for drains,canals, waste weir draft, approach channels, key trench, foundation of Bridges and such similar works, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, excavated surface leveled and sides neatly dressed disposing off or leveling the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage & other appurtenances required to complete the work. **In ordinary/soft rock without blasting upto 1.5 m depth** (KPWD SR 2021-22, Volume-II, Item No.1.5.1, Page No.6) | | | | | | | | | |
| | | Cum | | | | | | | | |
| | For Galary | | | | | | | | | |
| | Footings | | | 28 | 3.60 | 3.60 | 3.00 | 1088.64 | | |
| | Plinth Beam | | | 28 | 2.80 | 2.80 | 3.00 | 658.56 | | |
| | | | | 28 | 7.30 | 0.80 | 0.60 | 98.11 | | |
| | Back Floor Bed | | | 1 | 112.00 | 0.60 | 0.60 | 40.32 | | |
| | | | | 1 | 112.00 | 0.60 | 0.60 | 40.32 | | |
| | | | | 1 | 17.00 | 7.30 | 0.45 | 55.85 | | |
| | | | | 1 | 95.00 | 7.30 | 0.45 | 312.08 | | |
| | | | | | | | Total Quantity | 2293.87 | 251.90 | 577826.36 |
| | Rate Analysis | | | | | | | | | |
| | Basic Rate | 229.00 | | | | | | | | |
| | Area Weightage @10% | 22.90 | | | | | | | | |
| | Total Amount | 251.90 | | | | | | | | |
| 2 | Providing and laying in position **plain cement concrete Mix 1:3:6 (M10)** Using 40 mm nominal size graded crushed coarse aggregates for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) (KWPD 2021-22, V-I, Item No.2.1.3, Page No.15) | | | | | | | | | |
| | | Cum | | | | | | | | |
| | For Galary | | | | | | | | | |
| | Footings | | | 28 | 3.30 | 3.30 | 0.15 | 45.74 | | |
| | Plinth Beam | | | 28 | 2.50 | 2.50 | 0.15 | 26.25 | | |
| | | | | 18 | 7.30 | 0.80 | 0.15 | 15.77 | | |
| | Back Floor Bed | | | 1 | 112.00 | 0.50 | 0.15 | 8.40 | | |
| | Flogging Concrete | | | 1 | 112.00 | 0.50 | 0.15 | 8.40 | | |
| | | | | 1 | 180.00 | 1.00 | 0.20 | 36.00 | | |
| | | | | 1 | 17.00 | 7.30 | 0.15 | 18.62 | | |
| | | | | 1 | 95.00 | 7.30 | 0.15 | 104.03 | | |
| | | | | | | | Total Quantity | 263.20 | 6327.20 | 1665293.73 |
| | Rate Analysis | | | | | | | | | |
| | Basic Rate | 5752.00 | | | | | | | | |
| | Area Weightage @10% | 575.20 | | | | | | | | |
| | Total Amount | 6327.20 | | | | | | | | |
| 3 | KSRB 2.8 Providing and filling in foundation with granite/trap broken metal of 100 MM and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour charges and with all lead and lift etc complete as per specification and the direction of the Engineer in charge I.No 6.4 Volume 2 SR 2021-22 | | | | | | | | | |
| | | Cum | | | | | | | | |
| | For Galary | | | | | | | | | |
| | Footings | | | 28 | 3.60 | 3.60 | 0.25 | 90.72 | | |
| | | | | 28 | 2.50 | 2.50 | 0.25 | 43.75 | | |
| | Plinth Beam | | | 18 | 7.30 | 0.80 | 0.15 | 15.77 | | |
| | | | | 1 | 112.00 | 0.50 | 0.15 | 8.40 | | |

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| Description of work | Unit | | Nos | Dimensions in m | | | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| | | | | L in m | B in m | D in m | | | |
| | | | 1 | 112.00 | 0.50 | 0.15 | 8.40 | | |
| Rate Analysis | | | | | | Total Quantity | 167.04 | 2817.10 | 470562.75 |
| Basic Rate | 2561.00 | | | | | | | | |
| Area Weightage @10% | 256.10 | | | | | | | | |
| Total Amount | 2817.10 | | | | | | | | |

Providing and laying in position **Reinforced cement concrete M25** Using 20 mm nominal size graded crushed coarse aggregates for **all Sub structures of building**, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) (KWPD 2021-22, V-I, Item No.2.4.3, Page No.17)

| | Cum | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| For Galary | | | | | | | | | |
| Footings | | | 28 | 3.00 | 3.00 | 0.75 | 189.00 | | |
| Column Upto Plinth | | | 28 | 2.20 | 2.20 | 0.60 | 81.31 | | |
| | | | 28 | 0.60 | 0.60 | 2.50 | 25.20 | | |
| Plinth Beam | | | 28 | 0.60 | 0.60 | 2.50 | 25.20 | | |
| | | | 28 | 7.30 | 0.60 | 0.45 | 55.19 | | |
| Cut off wall | | | 1 | 112.00 | 0.60 | 0.45 | 30.24 | | |
| | | | 1 | 112.00 | 0.60 | 0.45 | 30.24 | | |
| Entrance step | | | 1 | 112.00 | 0.20 | 0.75 | 16.80 | | |
| | | | 2 | 112.00 | 0.20 | 0.75 | 33.60 | | |
| | | | 1 | 180.00 | 1.00 | 0.18 | 31.50 | | |
| Rate Analysis | | | | | | Total Quantity | 518.28 | 7136.77 | 3698843.60 |
| Basic Rate | 6299.00 | | | | | | | | |
| For Centering Work 3% from P No.115, It No.1b | 188.97 | | | | | | | | |
| Area Weightage @10% | 648.80 | | | | | | | | |
| Total Amount | 7136.77 | | | | | | | | |

Providing and laying in position **Reinforced cement concrete M25** Design Mix Using 20 mm nominal size graded crushed coarse aggregates for **all Super structures of building**, Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) (KWPD 2021-22, V-I, Item No.2.5.2, Page No.17)

| | Cum | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| For Galary | | | | | | | | | |
| Column Above Plinth | | | 28 | 0.60 | 0.60 | 4.80 | 48.38 | | |
| | | | 28 | 0.60 | 0.20 | 0.75 | 2.52 | | |
| | | | 28 | 0.60 | 0.60 | 0.75 | 7.56 | | |
| Back Floor Bed | | | | | | | | | |
| | | | 1 | 17.00 | 6.50 | 0.100 | 11.05 | | |
| | | | 1 | 75.00 | 6.00 | 0.100 | 45.00 | | |
| Rate Analysis | | | | | | Total Quantity | 114.51 | 7855.32 | 899544.11 |
| Basic Rate | 6492.00 | | | | | | | | |
| For Centering Work 10% from P No.115, It No.8 | 649.20 | | | | | | | | |
| Area Weightage @10% | 714.12 | | | | | | | | |
| Total Amount | 7855.32 | | | | | | | | |

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| Description of work | Unit | | Nos | Dimenstions in m | | | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| | | | | L in m | B in m | D in m | | | |
| Providing and laying in position Reinforced cement concrete M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plastisizers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) (KWPD 2021-22, V-I, Item No.2.5.1, Page No.17) | Cum | | | | | | | | |
| For Galary | | | 28 | 7.60 | 0.60 | 0.30 | 38.30 | | |
| Waist Beams | | | 1 | 112.00 | 0.60 | 0.60 | 40.32 | | |
| Beams | | | 1 | 112.00 | 7.60 | 0.30 | 255.36 | | |
| For Waist Slab | | | | | | | | | |
| For Steps | | | 4 | 112.00 | 1.20 | 0.45 | 120.96 | | |
| For Landing | | | 5 | 112.00 | 0.50 | 0.45 | 63.00 | | |
| For Seating | | | | | | | | | |
| For Sub Steps | | | | | | | | | |
| For Landing | 4 | | 12 | 1.50 | 0.30 | 0.15 | 1.62 | | |
| | | | | | | Total Quantity | 519.56 | 10354.74 | 5379950.13 |
| Rate Analysis | | | | | | | | | |
| Basic Rate | 6492.00 | | | | | | | | |
| For Centering Work 45% from P No.115, It No.12 & 13 | 2921.40 | | | | | | | | |
| Area Weightage @10% | 941.34 | | | | | | | | |
| Total Amount | 10354.74 | | | | | | | | |
| Supplying, Fitting and Placing TMT Fe 500 & above Reinforcement in Foundation / Substructure / Superstructure complete as per Drawing and Technical Specifications. (KWPD 2021-22, V-III, Item No.9.3, Page No.71) | | | | | | | | | |
| | Cum | | | | | | | | |
| Considering 180Kgs per Cum of Concrete | | | 1 | 1096.31 | | 0.180 | 197.34 | | |
| | | | | | | Total Quantity | 197.34 | 103724.50 | 20468519.85 |
| Rate Analysis | | | | | | | | | |
| Basic Rate | 94295.00 | | | | | | | | |
| Area Weightage @10% | 9429.50 | | | | | | | | |
| Total Amount | 103724.50 | | | | | | | | |
| R.O PLANT | | | | | | | | | |
| 8 Earth work excavation by manual means for drains,canals, waste weir draft, approach channels, key trench, foundation of Bridges and such similar works, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, excavated surface leveled and sides neatly dressed disposing off or leveling the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage & other appurtenances required to complete the work. **In ordinary/soft rock without blasting upto 1.5 m depth** (KPWD SR 2021-22, Volume-II, Item No.1.5.1, Page No.6) | | | | | | | | | |
| | Cum | | | | | | | | |
| For R O Plant | | | | | | | | | |
| Column | | | 9 | 4 | 1.70 | 1.70 | 1.50 | 156.06 | | |
| For SSM Foundation | | | 9 | 2 | 4.60 | 0.75 | 0.90 | 55.89 | | |
| | | | 9 | 2 | 3.10 | 0.75 | 0.90 | 37.67 | | |
| | | | | | | | Total Quantity | 249.62 | 251.90 | 62878.02 |
| Rate Analysis | | | | | | | | | |
| Basic Rate | 229.00 | | | | | | | | |
| Area Weightage @10% | 22.90 | | | | | | | | |
| Total Amount | 251.90 | | | | | | | | |
| 9 Providing and laying in position **plain cement concrete Mix 1:3:6 (M10)** Using 40 mm nominal size graded crushed coarse aggregates for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) (KWPD 2021-22, V-I, Item No.2.1.3, Page No.15) | | | | | | | | | |
| | Cum | | | | | | | | |
| For R O Plant | | | | | | | | | |
| Column | | | 9 | 4 | 1.70 | 1.70 | 0.15 | 15.61 | | |

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| Description of work | Unit | | Nos | Dimensions in m | | | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| | | | | L in m | B in m | D in m | | | |
| CM Foundation | | 9 | 2 | 4.60 | 0.75 | 0.15 | 9.32 | | |
| For Flooring | | 9 | 2 | 3.10 | 0.75 | 0.15 | 6.28 | | |
| | | 9 | 1 | 4.60 | 3.10 | 0.15 | 19.25 | | |
| Rate Analysis | | | | | | Total Quantity | 50.45 | 6327.20 | 319204.09 |
| Basic Rate | 5752.00 | | | | | | | | |
| Area Weightage @10% | 575.20 | | | | | | | | |
| Total Amount | 6327.20 | | | | | | | | |

Providing and laying in position **Reinforced cement concrete M25** Design Mix Using 20 mm nominal size graded crushed coarse aggregates for **all Sub structures of building**, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) (KWPD 2021-22, V-I, Item No.2.4.2, Page No.17)

| | Cum | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| For R O Plant | | | | | | | | | |
| Column Footing | | | | | | | | | |
| Column upto Plinth | | 9 | 4 | 1.50 | 1.50 | 0.45 | 36.45 | | |
| | | 9 | 4 | 0.20 | 0.45 | 0.90 | 2.92 | | |
| Rate Analysis | | | | | | Total Quantity | 39.37 | 7120.91 | 280321.55 |
| Basic Rate | 6285.00 | | | | | | | | |
| For Centering Work 3% from P No.115, It No.1b | 188.55 | | | | | | | | |
| Area Weightage @10% | 647.36 | | | | | | | | |
| Total Amount | 7120.91 | | | | | | | | |

1 Providing and laying in position **Reinforced cement concrete M25** Design Mix Using 20 mm nominal size graded crushed coarse aggregates for all **Super structures of building**, Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) (KWPD 2021-22, V-I, Item No.2.5.2, Page No.17)

| | Cum | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| For R O Plant | | | | | | | | | |
| Column Above Plinth | | 9 | 4 | 0.20 | 0.45 | 3.00 | 9.72 | | |
| Rate Analysis | | | | | | Total Quantity | 9.72 | 7855.32 | 76353.71 |
| Basic Rate | 6492.00 | | | | | | | | |
| For Centering Work 10% from P No.115, It No.8 | 649.20 | | | | | | | | |
| Area Weightage @10% | 714.12 | | | | | | | | |
| Total Amount | 7855.32 | | | | | | | | |

12 Providing and laying in position Reinforced cement concrete M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) (KWPD 2021-22, V-I, Item No.2.5.2, Page No.17)

| | Cum | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| For R O Plant | | | | | | | | | |
| Plinth Beam | | 9 | 2 | 4.60 | 0.20 | 0.30 | 4.97 | | |
| | | 9 | 2 | 3.10 | 0.20 | 0.30 | 3.35 | | |
| Roof Beam | | 9 | 2 | 5.20 | 0.20 | 0.40 | 7.49 | | |
| | | 9 | 2 | 3.10 | 0.20 | 0.40 | 4.46 | | |
| Roof Slab | | 9 | 1 | 4.60 | 3.70 | 0.15 | 22.98 | | |

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| Description of work | Unit | | Nos | Dimensions in m | | | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| | | | | L in m | B in m | D in m | | | |
| **Rate Analysis** | | | | | | Total Quantity | 43.25 | 8569.44 | 370585.43 |
| Basic Rate | 6492.00 | | | | | | | | |
| For Centering Work 20% from P No.113, It No.12 & 13 | 1298.40 | | | | | | | | |
| Area Weightage @10% | 779.04 | | | | | | | | |
| Total Amount | 8569.44 | | | | | | | | |
| Supplying, Fitting and Placing TMT Fe 500 & above Reinforcement in Foundation / Substructure / Superstructure complete as per Drawing and Technical Specifications. (KWPD 2021-22, V-III, Item No.9.3, Page No.71) | | | | | | | | | |
| | Cum | | | | | | | | |
| Considering 125Kgs per Cum of Concrete | | 1 | 1 | 92.33 | | 0.125 | 11.54 | | |
| **Rate Analysis** | | | | | | Total Quantity | 11.54 | 103724.50 | 1197123.35 |
| Basic Rate | 94295.00 | | | | | | | | |
| Area Weightage @10% | 9429.50 | | | | | | | | |
| Total Amount | 103724.50 | | | | | | | | |
| Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) (KWPD 2021-22, V-II, Item No.5.4, Page No.9) | | | | | | | | | |
| | Cum | | | | | | | | |
| For R O Plant | | | | | | | | | |
| For SSM Foundation | | 9 | 2 | 4.60 | 0.60 | 0.60 | 29.81 | | |
| For Flooring | | 9 | 2 | 3.10 | 0.60 | 0.60 | 20.09 | | |
| | | 9 | 2 | 4.60 | 0.45 | 0.60 | 22.36 | | |
| Steps | | 9 | 2 | 3.10 | 0.45 | 0.60 | 15.07 | | |
| | | 9 | 1 | 2.50 | 0.40 | 0.45 | 4.05 | | |
| | | 9 | 1 | 2.50 | 0.40 | 0.25 | 2.25 | | |
| **Rate Analysis** | | | | | | Total Quantity | 93.62 | 5964.20 | 558356.48 |
| Basic Rate | 5422.00 | | | | | | | | |
| Area Weightage @10% | 542.20 | | | | | | | | |
| Total Amount | 5964.20 | | | | | | | | |
| 5 Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (KWPD 2021-22, V-II, Item No.6.32, Page No.17) | | | | | | | | | |
| | Sqm | | | | | | | | |
| For R O Plant | | | | | | | | | |
| Wall | | 9 | 2 | 4.60 | | 3.00 | 248.40 | | |
| | | 9 | 2 | 3.10 | | 3.00 | 167.40 | | |
| Parapet Wall | | 9 | 2 | 4.60 | | 0.75 | 62.10 | | |
| | | 9 | 2 | 3.10 | | 0.75 | 41.85 | | |
| Deductions | | | | | | | | | |
| Door | | -9 | -1 | 2.50 | | 2.60 | 58.50 | | |
| **Rate Analysis** | | | | | | Total Quantity | 578.25 | 1322.20 | 764562.15 |
| Basic Rate | 1202.00 | | | | | | | | |
| Area Weightage @10% | 120.20 | | | | | | | | |
| Total Amount | 1322.20 | | | | | | | | |
| 16 Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. (KWPD 2021-22, V-II, Item No.8.3.1, Page No.41) | | | | | | | | | |
| | Sqm | | | | | | | | |
| For R O Plant | | | | | | | | | |
| Outside Plastering | | 9 | 2 | 4.80 | | 4.85 | 419.04 | | |
| | | 9 | 2 | 3.30 | | 4.85 | 288.09 | | |
| Inside Plastering | | 9 | 2 | 4.40 | | 3.00 | 237.60 | | |
| | | 9 | 2 | 2.90 | | 3.00 | 156.60 | | |
| | | 9 | 1 | 3.30 | | 3.00 | 89.10 | | |
| Deductions | | | | | | | | | |
| Door | | -18 | -2 | 2.50 | | 2.60 | 234.00 | | |
| **Rate Analysis** | | | | | | Total Quantity | 1424.43 | 337.70 | 481030.01 |
| Basic Rate | 307.00 | | | | | | | | |

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| | Description of work | Unit | | Nos | Dimensions in m | | | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | L in m | B in m | D in m | | | |
| | Area Weightage @10% | 30.70 | | | | | | | | |
| | Total Amount | 337.70 | | | | | | | | |
| | Providing 12 mm cement plaster with cement mortar 1:4 (1 cement: 4 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing, complete as per specifications and as per directions of Engineer-in-charge. (KWPD 2021-22, V-II, Item No.8.1.1, Page No.41) | | | | | | | | | |
| | For R O Plant | Sqm | | | | | | | | |
| | Ceiling | | | | | | | | | |
| | | | 9 | 1 | 4.40 | 2.90 | | | | |
| | | | | | | | | 114.84 | | |
| | Rate Analysis | | | | | | Total Quantity | 114.84 | 239.80 | 27538.63 |
| | Basic Rate | 218.00 | | | | | | | | |
| | Area Weightage @10% | 21.80 | | | | | | | | |
| | Total Amount | 239.80 | | | | | | | | |
| | Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two coat applied @ 1.67 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (KWPD 2021-22, V-II, Item No.8.30, Page No.46) | | | | | | | | | |
| | | Sqm | | | | | | | | |
| | Vide qty from item no. | 16 | | | | | | | | |
| | Vide qty from item no. | 17 | | | | | | 1424.43 | | |
| | | | | | | | | 114.84 | | |
| | Rate Analysis | | | | | | Total Quantity | 1539.27 | 149.60 | 230274.79 |
| | Basic Rate | 136.00 | | | | | | | | |
| | Area Weightage @10% | 13.60 | | | | | | | | |
| | Total Amount | 149.60 | | | | | | | | |
| 9 | Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge. (KWPD 2021-22, V-II, Item No.15.1, Page No.132) | | | | | | | | | |
| | | Sqm | | | | | | | | |
| | For R O Plant | | | | | | | | | |
| | For Roof Slab | | 9 | 1 | 4.60 | 3.10 | | | | |
| | | | | | | | | 128.34 | | |
| | Rate Analysis | | | | | | Total Quantity | 128.34 | 819.50 | 105174.63 |
| | Basic Rate | 745.00 | | | | | | | | |
| | Area Weightage @10% | 74.50 | | | | | | | | |
| | Total Amount | 819.50 | | | | | | | | |
| 20 | Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including grouting the joints with white cement and matching pigments etc., Complete. **Size of Tile 500x500 mm** (KWPD 2021-22, V-II, Item No.9.12.1, Page No.60) | | | | | | | | | |
| | | Sqm | | | | | | | | |
| | For R O Plant | | | | | | | | | |
| | For Flooring | | 9 | 1 | 4.60 | 3.10 | | 128.34 | | |
| | | | 9 | 1 | 12.90 | | 1.80 | 208.98 | | |
| | Skirting | | 9 | 1 | 15.40 | | 0.10 | 13.86 | | |
| | Steps | | 9 | 1 | 2.50 | 1.50 | | 33.75 | | |
| | | | | | | | Total Quantity | 384.93 | 1125.30 | 433161.73 |
| | Rate Analysis | | | | | | | | | |
| | Basic Rate | 1023.00 | | | | | | | | |
| | Area Weightage @10% | 102.30 | | | | | | | | |
| | Total Amount | 1125.30 | | | | | | | | |

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| | Description of work | Unit | | Nos | Dimensions in m | | | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | L in m | B in m | D in m | | | |
| | Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length andb jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part I and M.S. top cover of required thickness for rolling shutters. 80x1.25 mm M.S. laths with 1.25 mm thick top cover including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge (KWPD) 2021-22, V-II, Item No.11.6.1, Page No.76) | | | | | | | | | |
| | For R O Plant | Sqm | | | | | | | | |
| | Rolling Shutter | | | 9 | 1 | 2.50 | | 2.60 | 58.50 | |
| | Rate Analysis | | | | | | | | | |
| | Basic Rate | 2510.00 | | | | | | Total Quantity | 58.50 | 2761.00 | 161518.50 |
| | Area Weightage @10% | 251.00 | | | | | | | | |
| | Total Amount | 2761.00 | | | | | | | | |
| | | | ELECTRIC WORK | | | | | | | |
| | Supplying heavy gauge PVC conduit pipe..... dia confirming to IS 2509 with suitable size benda, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or rawl plugs in case of brick walls and cement plastering damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. (ELE SR 2021-22 Page-1, Item-1.1.2) | | | | | | | | | |
| | b) 25mm dia 2mm thick | m | | | | | | | | |
| | Concealed Conduit System | | | 9 | 50 | | | 450.00 | | |
| 3 | Supplying..... mm dia 2mm/2.5mm thick heavy gauge PVC conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures. run with 18SWG GI fish wire wherever necessary. (ELE SR 2021-22 Page-1, Item-1.2.2) | | | | | | | Total Qty | 450.00 | 80.00 | 36000.00 |
| | b) 25mm dia 2mm thick | m | | | | | | | | |
| | | | | 9 | 50 | | | 450.00 | | |
| 24 | Groove cutting in the wall supplying.....dia 2mm/2.5mm thick heavy gauge PVC Conduit Pipe with bends, metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out conduit wherever necessary. (ELE SR 2021-22 Page-1, Item-1.3.2) | | | | | | | Total Qty | 450.00 | 70.00 | 31500.00 |
| | b) 25mm dia 2mm thick | m | | | | | | | | |
| | | | | 9 | 38 | | | 342.00 | | |
| 25 | Supplying and fixing sheet metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of approved make etc.(ELE SR 2021-22 Page-1, Item-1.4) | | | | | | | Total Qty | 342.00 | 80.00 | 27360.00 |
| | c) 135x75x65mm | each | | 9 | 3 | | | 27.00 | 131.00 | 3537.00 |
| | d)180x90x65mm | | | 9 | 3 | | | 27.00 | 155.00 | 4185.00 |
| | e)200x90x65mm | | | 9 | 3 | | | 27.00 | 169.00 | 4563.00 |
| 26 | Supplying and fixing PVC/metal conduit accessories.(3/5) (ELE SR 2021-22 Page-1, Item-1.5) | | | | | | | | | |
| | 1. Special type junction | each | | | | | | | | |
| | b)25mm junction box | | | 9 | 5 | | | 45.00 | 51.00 | 2295.00 |
| | 2. Deep junction box | | | | | | | | | |
| | c) 32mm deep junction box | | | 9 | 5 | | | 45.00 | 69.00 | 3105.00 |
| 27 | Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work cpmplete.(ELE SR 2021-22 Page-2, Item-1.6) | | | | | | | | | |
| | a)12xx"12"x3" (330x300x76mm | m | | 9 | 1 | | | 9.00 | 112.00 | 1008.00 |
| | b)12"x9"x3" (300x228x76) | | | 9 | 1 | | | 9.00 | 105.00 | 945.00 |
| 28 | Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using copper PVC insulated multi strand 2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. compelete for each outlet. (ELE SR 2021-22 Page-2, Item-2.1) | | | | | | | | | |
| | | each | | | | | | | | |

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| | Description of work | Unit | | Nos | Dimensions in m | | | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | L in m | B in m | D in m | | | |
| | **a) Short point up to 3Mtr from tapping point to out let via switch(Each point** | | 9 | 10 | | | | 90.00 | 276.00 | 24840.00 |
| | **b) Medium point above 3Mtr up to 6Mtr from tapping point to out let via switch (Each point)** | | 9 | 10 | | | | 90.00 | 386.00 | 34740.00 |
| | Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using copper PVC insulated multi strand 2x1.5Sqmm copper wire without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. (ELE SR 2021-22 Page-3, Item-2.2) | | | | | | | | | |
| | | **each** | | | | | | | | |
| | **a) Short point up to 3Mtr from tapping point to out let via switch** | | 9 | 10 | | | | 90.00 | 251.00 | 22590.00 |
| | **b) Medium point above 3Mtr up to 6Mtr from tapping point to out let via switch box** | | 9 | 10 | | | | 90.00 | 361.00 | 32490.00 |
| | Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. (ELE SR 2021-22 Page-5, Item-3.5.3) | | | | | | | | | |
| | **1.Group-A** | **each** | | | | | | | | |
| | **e) 6Moudule** | | 9 | 9 | | | | 81.00 | 244.00 | 19764.00 |
| | Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate. (ELE SR 2021-22 Page-5, Item-3.6) | | | | | | | | | |
| | **1.Using Group "A" materials** | **each** | | | | | | | | |
| | **a) 6Amps one way.** | | | | | | | | | |
| | **i) 32Amps DP switch** | | 9 | 5 | | | | 45.00 | 88.00 | 3960.00 |
| | **j) 6/16Amps universal socket** | | 9 | 2 | | | | 18.00 | 375.00 | 6750.00 |
| | Supplying and fixing 32Amps security and energy saving DP switch with key tag suitable to operate on 230 Volts, 50Hz AC supply &completely wired on existing box. (ELE SR 6 Page-6, Item-3.7) | | 9 | 15 | | | | 135.00 | 249.00 | 33615.00 |
| | **1.Using Group "A" materials** | **each** | | | | | | | | |
| 3 | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. (ELE SR 2021-22 Page-3, Item-2.3) | | 9 | 2 | | | | 18.00 | 747.00 | 13446.00 |
| | | **m** | | | | | | | | |
| | **a. 1 sqmm.** | | 9 | 150 | | | | 1350.00 | 18.00 | 24300.00 |
| | **b. 1.5 sqmm** | | 9 | 150 | | | | 1350.00 | 26.00 | 35100.00 |
| | **C.6 sqmm** | | 9 | 200 | | | | 1800.00 | 87.00 | 156600.00 |
| 34 | Supplying and fixing of PVC casing and capping on the wall or ceilng using necessary materials like bends, screws at an interval of 300mm .... Etc as required. (ELE SR 2021-22 Page-2, Item-1.8) | | | | | | | | | |
| | | **m** | | | | | | | | |
| | **a) 20mm** | | 9 | 20 | | | | 180.00 | 27.00 | 4860.00 |
| 35 | Supplying PVC/GI flexible conduit pipe....mm dia fixing on surface over inverted wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and either end of the pipe terminated completely. (ELE SR 2021-22 Page-2, Item-1.9) | | | | | | | | | |
| | | **Nos** | | | | | | | | |
| | **a) 20mm** | | 9 | 15 | | | | 135.00 | 25.00 | 3375.00 |
| 36 | Extra for supplying 4mm thick white plastic plate and covering for junction boxes of size 110mm conduit using necessary machine screws. (ELE SR 2021-22 Page-6, Item-3.10.2) | | | | | | | | | |
| | | **Nos** | | | | | | | | |
| | **b) 110mm** | | 9 | 10 | | | | 90.00 | 12.00 | 1080.00 |
| 37 | Supplying a 50mm wooden plug, tapered from 50x50mm to 25x25mm and fixing by using binding wire before concreting a roof slap. (ELE SR 2021-22 Page-6, Item-3.11) | | | | | | | | | |
| | | **Nos** | | | | | | | | |
| | | | 9 | 10 | | | | 90.00 | 8.00 | 720.00 |
| 38 | Supplying and fixing of slim box fitting, made out of CRCA Sheet metal body with locking type holder completely wired. Excluding Ballast & Flouresent Tube. 1 x 4' Tube light fitting. (ELE SR 2019-20 Page-41, Item-12.25.2) | | | | | | | | | |
| | | **each** | | | | | | | | |
| | | | 9 | 4 | | | | 36.00 | 310.00 | 11160.00 |

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| Description of work | Unit | | Nos | Dimensions in m | | | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| | | | | L in m | B in m | D in m | | | |
| Providing and fixing of 15 Discrete cut Tube with 140V power consumption with low Amg Mercury content (Class 20% glass content than T8 lamp & 20% less phosphor coating than T8 with initial lumen on 1350 lm 3000-6500 deg Kelvin), rated Avg life (12 Hr Cycle) of greater than 15000 burning hours. Operating voltage range from 180V to 265V, 50Hz AC power Supply 28 watts Lamp (ELE SR 2021-22 Page-40, Item 12.18.2) | each | | 9 | 4 | | | 36.00 | 172.00 | 6192.00 |
| **WATER SUPPLY WORK** | | | | | | | | | |
| Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS: 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. (KPWD SR 2021-22, Volume-II, Item No.13.34) | Ltr | | 9 | 2000 | | | 18000.00 | | |
| **Rate Analysis (Issue Rates as on 21-04-2021** | | | | | | | **Total Quantity** | **18000.00** | **8.80** | **158400.00** |
| Basic Rate | 8.00 | | | | | | | | |
| Area Weightage @10% | 0.80 | | | | | | | | |
| Total Amount | **8.80** | | | | | | | | |
| Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall **25 mm nominal dia Pipes** (KPWD SR 2021-22, Volume-II, Item No.13.31.3) | mtr | | 9 | 1 | 18.00 | | 162.00 | | |
| **Rate Analysis (Issue Rates as on 21-04-2021** | | | | | | | **Total Quantity** | **162.00** | **347.60** | **56311.20** |
| Basic Rate | 316.00 | | | | | | | | |
| Area Weightage @10% | 31.60 | | | | | | | | |
| Total Amount | **347.60** | | | | | | | | |
| 2 Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall **32 mm nominal dia Pipes** (KPWD SR 2021-22, Volume-II, Item No.13.31.4) | mtr | | 9 | 1 | 15.00 | | 135.00 | | |
| **Rate Analysis (Issue Rates as on 21-04-2021** | | | | | | | **Total Quantity** | **135.00** | **432.30** | **58360.50** |
| Basic Rate | 393.00 | | | | | | | | |
| Area Weightage @10% | 39.30 | | | | | | | | |
| Total Amount | **432.30** | | | | | | | | |
| 3 Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber 150 x 100 mm size P type With Non Modular common burnt clay bricks of designation 3.5 & with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight or cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design: (KPWD SR 2021-22, Volume-II, Item No.13.39) | Each | | 9 | 2 | | | 18.00 | | |
| | | | | | | | **Total Quantity** | **18.00** | **2528.90** | **45520.20** |
| **Rate Analysis (Issue Rates as on 21-04-2021** | | | | | | | | | |
| Basic Rate | 2299.00 | | | | | | | | |
| Area Weightage @10% | 229.90 | | | | | | | | |
| Total Amount | **2528.90** | | | | | | | | |
| **R O Plant** | | | | | | | | | |
| **Design,Supply,Installation,commisioning of RO plant 2000litr per hour Capacity with softner (1Nos)** | | | | | | | | | |

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| Description of work | Unit | | Nos | Dimensions in m | | | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| | | | | L in m | B in m | D in m | | | |
| **water Feed pump with starter,**Type-Horizontal ,Centrifugal,Make-Kirloskar/Beacon ver/ Stainless/CNP(SS),Material of Construction-Cast Iron,Head-36 MWC, Motor-3.0 HPthree phase Starter- L&T Seamen make push bottom type DOL Starter | | 9 | 1 | | | | 9.00 | Nos | 24500.00 | 220500.00 |
| **Multi graded sand filter,type-verticle,**Floor Mounted,Make-pentair/structural/ION EXCHANGE(INDIA) TD/Zeolite/Aquario,min.operating Pressure 2.0kg/cm2,Max. Operating Pressure -3.5kg/cm2, Treatment low Rate-6000liters/Hr,Type of valve size-Multiport,50NB,make-UKL/Initative,Filtering Media - Gravel, Graded Sand & Pebble | | 9 | 2 | | | | 18.00 | Nos | 24500.00 | 441000.00 |
| **Activated carbon Filter type-Verticle,**Floor Mounted,Make-pentair/Structural/ION EXCHANGE(INDIA) TD/Zeolite/Aquario,min.operating Pressure 2.0kg/cm2,Max. Operating Pressure -3.5kg/cm2, Treatment low Rate-6000liters/Hr,Type of valve size-Multiport,50NB,make-UKL/Initative,Filtering Media -Gravel, Activated Carbon & pebbles | | 9 | 2 | | | | 18.00 | Nos | 33000.00 | 594000.00 |
| **water softner,type-verticle,**Floor Mounted,Make-pentair/Structural/ION EXCHANGE(INDIA) TD/Zeolite/Aquario,min.operating Pressure 2.0kg/cm2,Max. Operating Pressure 3.5kg/cm2, Treatment low Rate-6000liters/Hr,Type of Resin-INDION 220Na or Thermax T40 | | 9 | 1 | | | | 9.00 | Nos | 62500.00 | 562500.00 |
| **Antiscalant Dosing System,**Equipment Required-Electronic Dosing Pump with Solution Tank,make-Ion Exchange (I) Ltd.,/ ASIA LMI/ Zeolite,Material of Construction-PP(Polypropelene),Discharge @Max Back Pressure-2.88litr/Hr @8bar,Discharge@Nominal Back Pressure=3.12Lit/Hr @ 4Bar,Chemical to be dosed- | | 9 | 1 | | | | 9.00 | Nos | 62000.00 | 558000.00 |
| **Accessories for Dosing System,**Solution Tank-One No,Volume-100Litres,Material of Construction-HDPE,Tank level Switch-One No. | | 9 | 1 | | | | 9.00 | Nos | 85000.00 | 765000.00 |
| **Reverse Osmosis System,**Type-Horizontal Skid,Floor Mounted,Permeate water-Minimum 2000litr/hr,Maximum Permissable TDS in feed (PPM)-2500. | | 9 | 1 | | | | 9.00 | Nos | 42000.00 | 378000.00 |
| **Pressure Vessel,**Material of Construction-FRP,Make-Advance Composite/Code Line. | | 9 | 1 | | | | 9.00 | Nos | 89000.00 | 801000.00 |
| **Membrane,** Type-Brackish water . Nos required-Three.Make-TORAY JAPAN /Hydranautics/Filmtec/Tricep | | 9 | 1 | | | | 9.00 | Nos | 85000.00 | 765000.00 |
| **High pressure pump,**Type- verticle,multistage,Make-GRUNDFOS,MOTOR-7.5 HP 3Phase, Model-CRN series,Material of construction-SS316,starter-L&T/Seimens make push botton type DOL starter | | 9 | 1 | | | | 9.00 | Nos | 88000.00 | 792000.00 |
| Micron Filter,Type -JUMBO,Material of construction of housing-poly propelene | | 9 | 1 | | | | 9.00 | Nos | 55000.00 | 495000.00 |
| Instruction, Wet panel -Ms powder coated., Mounted on R.O> skid, Low pressure switch-one No,High Pressure Switch-one, Digitalconductivity Meter wiyh sensor , Indon brand-one No , ON/OFF selector Switch -one No, High pressure System Pressure Gauge - one No, Auto Flush Timer -one No, Indication Lamps -one No, product Flow Meter- one No, Reject Flow Meter-one No,Reject Re-circolation Meter-one No,Alarm-one No | | 9 | 1 | | | | 9.00 | Nos | 78000.00 | 702000.00 |
| pH correction dosing System, Equipment Required-Electronic Dosing Pump with solution Tank, Make-Ion Exchange(I) Ltd.,/ ASIA LMI/ Zeolite,Material of construction -PP, Discharge @ max . Back Pressure-2.88 Lit/Hr@8Bar.Discharge@Nominal Back Pressure-3.12 Lit/Hr@4Bar,Frequency-100 Strokes / Min, Chemical to be dosed-PH Booster | | 9 | 1 | | | | 9.00 | Nos | 86000.00 | 774000.00 |
| Solution Tank with level switch, Solution Tank-one No, Volume-100 Liters. Material of construction-HDPE. Tank levelswitch-one No | | 9 | 1 | | | | 9.00 | Nos | 83000.00 | 747000.00 |
| Inter-connecting pipe work ,Raw water tank to feed pump suction and feed pump delivery to R.O. Inlet (up to High pressure pump in let )and RO outlet to Treated water tank-food Grade PVC pipe 40mm NB, Make-Finolex/ supreme,High pressure pump outlet to membrane inlet-ss pipe of required size, Approximate Length-35.0 Metre | | 9 | 1 | | | | 9.00 | Nos | 15000.00 | 135000.00 |
| Ultra violet system, Model-UVS-20,Make-Ion Exchange (I) Ltd.,/ ASIA LMI/Zeolite,ALFA Flow rate-2000L/H | | 9 | 1 | | | | 9.00 | Nos | 78000.00 | 702000.00 |
| | | 9 | 1 | | | | 9.00 | Nos | 74500.00 | 670500.00 |

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| | Description of work | Unit | | Nos | Dimensions in m L in m | B in m | D in m | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|---|
| | RO water strong tank, 2000 ltrs SS tank, to store RO water with required nozzles | | | | | | | | | |
| | | | 9 | 1 | | | | 9.00 | Nos | 80000.00 | 720000.00 |
| | Vending Machine ,Digital Swiping Card Type | | | | | | | | | |
| | | | 9 | 1 | | | | 9.00 | Nos | 35000.00 | 315000.00 |
| | **Borewell** | | | | | | | | | |
| | Geophysical investigation at site for sinking borewells for supplying drinking water to the habitation either through the Hand Pump MWS or P.W.S.S, by vertical electrical sounding by adopting Verner or Schlumbergers's method, including reconnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personal and labour required etc. NOTE: 1) Additional rate on item 1&2 is allowed for drilling in over burden and fixing Casing pipes beyond 20 M (for fixing Casing pipes only) a) Above 20 M and upto 30 M - 15%, b) Above 30 M - 30% (Measurement of overburden is restricted to the depth of casing pipe fixed excluding initial depth of 20M and projection above ground level). 2) A sum of Rs. 100/- is to be deducted for Dry Borewell towards yield test. | | | | | | | | | |
| | RR Nagara | | | | | | | | | |
| | **SR 2021-22 Volume IV P.No 152 I.NO 4 S no O040A** | | | | | | | | | |
| | Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc., complete ) | | | | | | | | | |
| | | No | 9 | 9 | | | | 9.00 | 5141.00 | 46269.00 |
| | **SR 2021-22 Volume IV P.No 152 I.NO 1 S no O010 ABCDEFGHI** | | | | | | | | | |
| | 0 to 50 m | Rmt | 9 | 50.00 | | | | 450.00 | 347.00 | 156150.00 |
| | 50 to 100 m | Rmt | 9 | 50.00 | | | | 450.00 | 442.00 | 198900.00 |
| | 100 to 150 m | Rmt | 9 | 50.00 | | | | 450.00 | 456.00 | 205200.00 |
| | 150 to 200 m | Rmt | 9 | 50.00 | | | | 450.00 | 536.00 | 241200.00 |
| | 200 to 250 m | Rmt | 9 | 50.00 | | | | 450.00 | 634.00 | 285300.00 |
| | 250 to 300 m | Rmt | 9 | 50.00 | | | | 450.00 | 700.00 | 315000.00 |
| | 300 to 350 m | Rmt | 9 | 50.00 | | | | 450.00 | 825.00 | 371250.00 |
| | 350 to 400 m | Rmt | 9 | 50.00 | | | | 450.00 | 900.00 | 405000.00 |
| | 400 to 420 m | Rmt | 9 | 20.00 | | | | 180.00 | 1129.00 | 203220.00 |
| 64 | Providing and fixing **250mm dia PVC (casing pipe)** (page no.XXXI, SL no.909) (KPWD SR 2016-17) | | | | | | | | | |
| | | Rmt | 18 | 6.00 | | | | 108.00 | 2600.00 | 280800.00 |
| 65 | Supply of ISI mark 175mm nominal bore,plain and steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m both ends.threaded conforming to IS 554-1985 one end fixed with socket conforming to IS 4270-2001 and the other end with screwed pipes all shall be responsibaly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m.prices include Collar-Medium duty. | | | | | | | | | |
| | **SR 2021-22 Volume IV P.No 154 I.NO 32 S no O160A** | | | | | | | | | |
| 66 | | Rmt | 9 | 50.00 | | | | 450.00 | 1933.00 | 869850.00 |
| | Providing and fixing MS casing collars as per IS 1239 (part-II) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (Part-II) 1982 with all amendments | | | | | | | | | |
| | **SR 2021-22 Volume IV P.No 154 I.NO 33 S no O170A** | | | | | | | | | |
| 67 | Providing **175mm dia Bore Cap** CE (M) | Each | 75 | | | | | 75.00 | 150.00 | 11250.00 |
| | **PRED SR 2012-13 (P.No.iii,I.No.85)** | | | | | | | | | |
| 68 | Atalanta suguna CRI **KIRLOSKAR** and other equipments **pumps** 10.00 HP/7.5 KV (20 stage) | No | 9 | | | | | 9.00 | 100.00 | 900.00 |
| | **(Pg No. XLI. Sl.no.29) KPWD SR-2018-19** | | | | | | | | | |
| | | No | 9 | | | | | 9.00 | 49955.00 | 449595.00 |

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| | Description of work | Unit | | Nos | Dimenstions in m | | | Quantity | Rate in Rs | Amount in Rs |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | L in m | B in m | D in m | | | |
| | Laying and fixing in trenches galvinised/mild steel tube 50mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for seperately) including cost of all materials, labour charges,HOM of equipment and testing complete as per specifications. Specification No. KBS 13.2.14/13.6 (page no.92/It no.13.15)KPWD SR 2018-19. | | | | | | | | | |
| | | | (P.g No. X1.1. Sl.no.29) KPWD SR-2018-19 | | | | | | | |
| | Basic rate | | 388.00 | | | | | | | |
| | A.W @ 6% | | 23.28 | | | | | | | |
| | Total | | 411.28 | | | | | | | |
| | | | Rmt | 9 | 350.00 | | | 3150.00 | 411.28 | 1295532.00 |
| | Supplying and drawing 3 core flat PVC sheathed submersible pump cable maufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 to IS 8130-1984 and virgin grade PVC insulation and power coating extruded PVC sheathed suitable for working voltage upto 1100 volts with specified IS 694:1990 and confirming to the attwached GTP of group A 3CX4.0 sq.mm | | | | | | | | | |
| | | | (PWD Ele SR 2014-15,P-12/It-2.10.3) | | | | | | | |
| | Add 5mts for Switching | | Rmt | 18 | 345.00 | | | 6210.00 | 126.70 | 786807.00 |
| | Providing and fixing in position 50mm Nominal bore non-return valve vertical type of approved make including cost of all materials,labour and HOM of equipment with all leads complete as per specifications.(PWD SR 18-19,P-95/It no.13.62) | | | | | | | | | |
| | Basic rate | | 1269 | | | | | | | |
| | A.W @ 6% | | 76.14 | | | | | | | |
| | Total | | 1345.14 | | | | | | | |
| | | | No | 9 | | | | 9.00 | 1345.14 | 12106.00 |
| | Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) : | | | | | | | | | |
| | | | SR 2021-22 Volume II P.No 117 I.No 13.10.6 | | | | | | | |
| | Basic rate | | 543 | | | | | | | |
| | A.W @ 10% | | 54.3 | | | | | | | |
| | Total | | 597.3 | | | | | | | |
| | | | No | 9 | | | | 9.00 | 597.30 | 5376.00 |
| 4 | Spplying and fixing 50mm GI Elbow. | | | | | | | | | |
| | | | (PWD SR 2018-19,P-XXXIX) | | | | | | | |
| | | | No | 9 | | | | 9.00 | 111.80 | 1006.00 |
| 4 | Spplying and fixing 50mm GI Nipple | | | | | | | | | |
| | | | (PWD SR 2018-19,P-XXXIX) | | | | | | | |
| | | | No | 9 | | | | 9.00 | 104.30 | 939.00 |
| 5 | Spplying and fixing 50mm GI Hose colleres | | | | | | | | | |
| | | | (PWD SR 2018-19,P-XXXIX) | | | | | | | |
| | | | No | 522 | | | | 522.00 | 103.00 | 53766.00 |
| 76 | Supplying and fixing 20" x 20" x 2.5" polished wood board made of not less than 15mm thick plank on both the sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., | | | | | | | | | |
| | | | KPWD ELE SR 2019-20 P.no.44 / I no. 6.6.6 | | | | | | | |
| | | | No | 9 | | | | 9.00 | 302.00 | 2718.00 |
| 77 | Supplying and fixing miniature circuit breakers on existing MCB distribution board using necessary fixing materials and 'C' type curve indicator ON/OFF energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.(PWD Ele SR 2022-23 ,P-13/Sl no.5.17.7) 6-32 A TPN | | | | | | | | | |
| | | | No | 9 | | | | 9.00 | 1777.00 | 15993.00 |
| 78 | Supplying of TPST with rewirable porcelain channels in SM encloser made out of 14 SWG powder coated point of approved colour 32 amps (PWD Ele SR 2022-23,P-10,It-5.5.1) | | | | | | | | | |
| | | | No | 9 | | | | 9.00 | 1944.00 | 17496.00 |
| 79 | Supplying and fixing LED type panel board indicating lamp with required colour suitable for 220 V AC 50 HZ 12/24 V DC(PWD Ele SR 2022-23 P-14,Sl no.5.38) | | | | | | | | | |
| | | | No | 9 | | | | 9.00 | 464.00 | 4176.00 |
| 80 | Suppling fully automatic star delta starter unit push button type with suitable wires 2 conductors and adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts phase and wired after fixing to the existing wooden board for motor. upto 12.5HP(PWD Ele SR 2022-23,p-10,Sl no.-5.2.1) | | | | | | | | | |
| | | | No | 9 | | | | 9.00 | 6912.00 | 62208.00 |
| 81 | Supplying and fixing single phase preventer using necessary wires over an existing panel board suitable for motar up to 20 HP capacities.(PWD Ele SR 2022-23,p-10/Sl no.5.3) | | | | | | | | | |
| | | | No | 9 | | | | 9.00 | 805.00 | 7245.00 |

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| Description of work | Unit | | Nos | Dimensions in m | | | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| | | | | L in m | B in m | D in m | | | |
| ing for lighting/ power circuit using one of 1R1S PVC insulated 1100V grade multistrand copper conductor single core wire in open or concealed system of wiring as per IS 694-1990 & conforming to the attached GTP of group A. 4 sqmm (PWD Ele SR 2019-20,p-3,It-2.3.4(d) | | | | | | | | | |
| Supplying fixing and wiring heavy duty low voltage capacitors conforming to IS 2834 phase 400/440 volts grade for power factor improvement of rotating machinery (PWD Ele SR 2022-23 ,p-14/Sl no 5.37) | Mtrs | | 9 | 20.00 | | | 180.00 | 59.00 | 10620.00 |
| Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cotouts and other equipments on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit... The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia (PWD Ele SR 2019-20,p-40,Sl no.6.1) | No | | 36 | | | | 36.00 | 432.00 | 15552.00 |
| Digging of trench of 0.36mtrs deepx0.5 mtrs wide refilling the trench to the required gorund level and consolidating etc., complete (PWD Ele SR 2019-20,p-41,It-6.6.2) hard soil | No | | 9 | | | | 9.00 | 2999.70 | 26997.00 |
| Supplying laying 1.1 KV class LT UG cable having aluminium conductor PVC insulated extruded inner shethed galvanised steel strip (excep 2cx 10 sqmm wire armoured) confirming to IS-3975:1990 (No. of strip indicated in GTP) and extruded PVC outer sheathed armoured cable with specified IS-1554,part-1:1988 and confirming to the attached GTP of group A 4 core 16 sq mm PWD Ele SR 2019-20,p-40,It-6.4.4) | Mtrs | | 9 | 8.00 | | | 72.00 | 102.00 | 7344.00 |
| Labour charge for laying 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe/ on wall / on poles as required in existing trench/duct. 6 sq mm to 16 sq mm(PWD Ele SR 2019-20,p-41,It-6.5.1) | Mtrs | | 9 | 10.00 | | | 90.00 | 150.00 | 13500.00 |
| Supplying and fixing class-A(medium duty) GI pipe wall thickness not less then 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1KV class 40mm(PWD Ele SR 2019-20,p-41,It-6.9.1) | No | | 9 | 25.00 | | | 225.00 | 11.88 | 2673.00 |
| Supplying and fixing LT cast iron pot heads suitable for 1.1KV class UG cable filled with necessary bitumen / insulating compound complete with terminals,clamps bolts and nuts and washer etc.,complete for 16 sq mm as per specifications.(PWD Ele SR 2019-20,p-42,It-6.10.2) | Rmt | | 9 | 2.00 | | | 18.00 | 335.00 | 6030.00 |
| Supplying and fixing porcelain fuse channel with cut out on the existing wooden block and wiring complete 63 amps(PWD Ele SR 2019-20,p-10,It-5.7.3) | No | | 9 | | | | 9.00 | 270.00 | 2430.00 |
| Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m3 in volume and stock piling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials separately | No | | 27 | | | | 27.00 | 372.00 | 10044.00 |
| **PWD SR 2021-22 Volume III P.No 10 I.No 2.19** | | | | | | | | | |
| Basic rate | | 422.00 | | | | | | | |
| A.W @ 10% | | 42.2 | | | | | | | |
| **Total** | | **464.2** | | | | | | | |
| Borewell | | | | | | | | | |
| Water line | | Cum | 9 | 112 | 0.45 | 0.125 | 56.70 | | |
| | | | | | | | 56.70 | 464.2 | 26320.00 |
| Earth work excavation for pipeline trenches in all kinds of by mechanical means above 600 mm trench width as per drawing and technical specifications, including setting out, construction of shoring, strutting, barricading, caution lights, bracing, using sight rails & bonding rods at every 100 mm whevere necessary as directed, removal of slumps and other deleterious matter, dressing of sides and levelling the bottom of trench to the extent required , utilising the available excavated earth locally for the work and all other appurtenances to complete in the following strata. | | | | | | | | | |
| **PWD SR 2021-22 Volume I P.No 10 I.No 1.19.1** | | | | | | | | | |
| Basic rate | | 342.00 | | | | | | | |
| A.W @ 10% | | 34.2 | | | | | | | |
| **Total** | | **376.2** | | | | | | | |
| Borewell | | | | | | | | | |
| Water line | | Cum | 9 | 112 | 0.45 | 0.35 | 158.76 | | |
| | | | | | | | 158.76 | 376.2 | 59726.00 |

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| | Description of work | Unit | | Nos | Dimensions in m L in m | B in m | D in m | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|---|
| | Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete (external work) - 50mm nominal OD pipes (KPWD SR 2018-19, P-99, It-13.87 6) | | | | | | | | | |
| | PWD SR 2021-22 Volume II P.No 8 I.No : 13.33.6 | | | | | | | | | |
| | Corrigendum and Addendum order - 21-04-2022 | | | | | | | | 1st | |
| | Basic rate | | 202.00 | | | | | | | |
| | A.W @ 10% | | 70.2 | | | | | | | |
| | Total | | 772.20 | | | | | | | |
| | Borewell | | | | | | | | | |
| | Water line | | Mtr | 9 | 112 | | | 1008.00 | | |
| | | | | | | | | 1008.00 | 772.2 | 778378.00 |
| | Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete : 25 to 40 mm nominal bore | | | | | | | | | |
| | PWD SR 2021-22 Volume II P.No 115 I.No 13.1.1 | | | | | | | | | |
| | Basic rate | | 471.00 | | | | | | | |
| | A.W @ 10% | | 47.1 | | | | | | | |
| | Total | | 518.1 | | | | | | | |
| | Water line | | Each | 100.8 | | | | 100.80 | 518.1 | 52224.00 |
| | Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete. (external work). - 20mm nominal OD pipes (KPWD SR 2018-19, P-98, It-13.85.2) | | | | | | | | | |
| | PWD SR 2021-22 Volume II P.No 8 I.No : 13.33.20 | | | | | | | | | |
| | Corrigendum and Addendum order - 21-04-2022 | | | | | | | | 1st | |
| | Basic rate | | 215.00 | | | | | | | |
| | A.W @ 10% | | 21.5 | | | | | | | |
| | Total | | 236.5 | | | | | | | |
| | Tap Connection | | | 9 | 10.00 | | | 90.00 | | |
| 96 | | | | | | | | 90.00 | 236.5 | 21285.00 |
| | Providing and fixing to wall, ceiling and floor Medium density polyethylene pipes 6.00 kgf/sq.cm working pressure 25mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 (KPWD SR 2018-19, P-95, It-13.67) | | | | | | | | | |
| | Basic rate | | 129.00 | | | | | | | |
| | A.W @ 6% | | 7.74 | | | | | | | |
| | Total | | 136.74 | | | | | | | |
| | for other Purposes | | Mtr | 9 | 125.00 | | | 1125.00 | | |
| 97 | | | | | | | | 1125.00 | 136.74 | 153833.00 |
| | Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications | | | | | | | | | |
| | PWD SR 2021-22 Volume I P.No 7 I.No 1.10 | | | | | | | | | |
| | Basic rate | | 122.00 | | | | | | | |
| | A.W @ 10% | | 12.2 | | | | | | | |
| | Total | | 134.2 | | | | | | | |
| | 70% of Qty Vide item | | Cum | | | | | 111.13 | 134.2 | 14914.00 |
| 98 | Loading and unloading of stone boulder/stone aggregates/sand/kanker/ moorum. KSRRB M100-1.Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (KPWD SR 2018-19,P-136, it.17.1) | | | | | | | | | |
| | Item No:-17.1 Loading | | 57.00 | | | | | | | |
| | Conveying for 16km | | 40.96 | | | | | | | |
| | Total | | 97.96 | | | | | | | |
| | Balance Qty Vide item No. 30+ 30% of 31 item | | Cum | | | | | 104.33 | | |
| | | | | | | | | 104.33 | 97.96 | 10220.00 |
| 99 | Providing and fixing Brass full way valve gate with C.I. wheel of approved quality (screwed end) 65 mm nominal bore | | | | | | | | | |
| | PWD SR 2021-22 Volume II P.No 115 I.No :13.4.5 | | | | | | | | | |
| | Basic rate | | 1390.00 | | | | | | | |
| | A.W @ 10% | | 139 | | | | | | | |
| | Total | | 1529 | | | | | | | |
| | For Main Line | | Each | 9 | | | | 9.00 | 1529 | 13761.00 |
| 100 | Providing and fixing brass stop cock of approved quality : | | | | | | | | | |
| | PWD SR 2021-22 Volume II P.No 115 I.No :13.3.1 | | | | | | | | | |
| | Basic rate | | 326.00 | | | | | | | |

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| Description of work | Unit | | Nos | Dimensions in m | | | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| | | | | L in m | B in m | D in m | | | |
| A.W @ 10% | | 32.6 | | | | | | | |
| Total | | 358.6 | | | | | | | |
| Top Construction | | Each | 100.8 | | | | | | |
| | | | | | | | 100.8 | | |
| | | | | | | | 100.80 | 358.6 | 36147.00 |

Providing and laying in position plain cement concrete for levelling course for all works in foundation The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates

PWD SR 2021-22 Volume I P.No 15 I.No :2.1.4

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Basic rate | | 5926.0 | | | | | | | |
| A.W @ 10% | | 592.6 | | | | | | | |
| Total | | 6518.6 | | | | | | | |
| Borewell | | | | | | | | | |

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| Description of work | Unit | | Nos | Dimenstions in m | | | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| | | | | L in m | B in m | D in m | | | |
| Water line | | Cum | 9 | 112 | 0.45 | 0.15 | 68.04 | | |
| | | | | | | | 68.04 | 6518.6 | 443526.00 |
| PH SCVM deposit Charges and miscellaneous | | | | | | | | | |
| | | No | 9.00 | | | | 9.00 | 12000.00 | 108000.00 |
| | | | | | | | | Construction Total Amount | 5,81,33,071.49 |
| | | | | | | | | Add GST Charges 18% | 1,04,63,952.87 |
| | | | | | | | | Add Detailed Project Report (DPR) and PMC Charges 2.0% | 14,00,000.00 |
| | | | | | | | | Sub Total | 6,99,97,024.36 |
| | | | | | | | | Miscellaneous and unforeseen charges etc.L.S | 2,975.64 |
| | | | | | | | | Grand Total | 7,00,00,000.00 |

Certificate:

1. The work spot has been inspected and found to be necessary
2. The provisions made in the estimate are necessary and minimum
3. The estimate is based on CSR of 2021-22 of Issue Rates on 07.04.2022

Assistant Engineer

Executive Engineer

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